



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 12661807
SAU: MSAD 75
School: Mt Ararat Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2009

Grade: 8

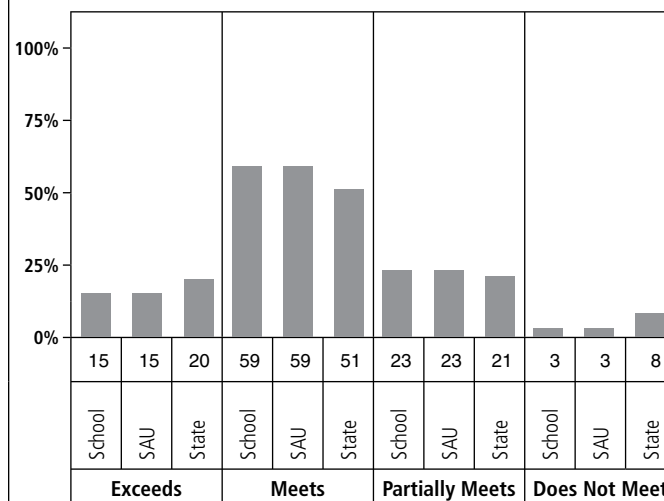
SAU: MSAD 75

School: Mt Ararat Middle School

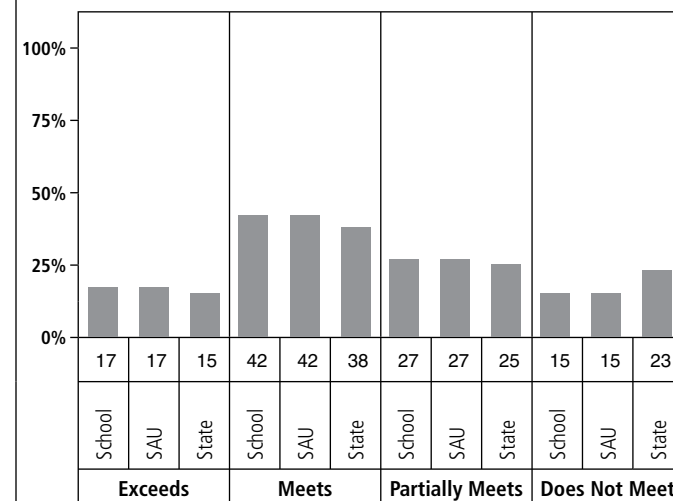
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	850	850	847
2007–2008	850	850	849
2008–2009	851	851	850
Cum. Avg.*	850	850	849
Mathematics			
2006–2007	848	848	842
2007–2008	842	842	841
2008–2009	847	847	843
Cum. Avg.*	846	846	842
Science			
2008–2009 **	848	848	846

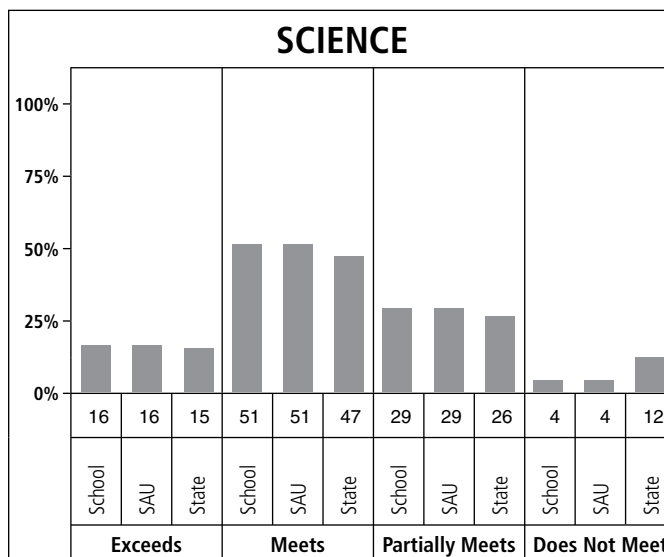
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
							School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	210	100	210	100	14804	100	207	100	207	100	14659	99	207	100	207	100	14653	99	207	100	207	100	14626	99
Ethnicity African American/Black	5	2	5	2	377	3	5	100	5	100	366	97	5	100	5	100	371	98	5	100	5	100	367	97
American Indian or Native Alaskan	2	1	2	1	119	1	2	100	2	100	117	99	2	100	2	100	115	97	2	100	2	100	116	98
Asian or Pacific Islander	2	1	2	1	238	2	2	100	2	100	232	97	2	100	2	100	234	98	2	100	2	100	234	98
Hispanic	2	1	2	1	192	1	2	100	2	100	188	98	2	100	2	100	191	100	2	100	2	100	190	99
Caucasian/White	199	95	199	95	13878	94	196	100	196	100	13756	99	196	100	196	100	13742	99	196	100	196	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	47	22	47	22	2489	17	44	100	44	100	2434	99	44	100	44	100	2424	98	44	100	44	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	50	24	50	24	5460	37	49	100	49	100	5380	99	49	100	49	100	5377	99	49	100	49	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	149	71	149	71	12132	82	148	70	148	70	12124	82	151	72	151	72	12169	82
Identified disability (PET/IEP)	0	0	0	0	379	3	0	0	0	0	380	3	2	1	2	1	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	4	3	4	3	200	2	3	2	3	2	200	2	4	3	4	3	202	2
Participation with accommodations	55	26	55	26	2349	16	55	26	55	26	2347	16	53	25	53	25	2288	15
Identified disability (PET/IEP)	41	75	41	75	1877	80	40	73	40	73	1862	79	39	74	39	74	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	2	4	2	4	70	3	3	5	3	5	70	3	2	4	2	4	66	3
Other	12	22	12	22	292	12	12	22	12	22	297	13	12	23	12	23	280	12
Participation through alternate assessment (PAAP)	3	1	3	1	178	1	4	2	4	2	182	1	3	1	3	1	169	1
Identified disability (PET/IEP)	3	100	3	100	178	100	4	100	4	100	182	100	3	100	3	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	3	1	3	1	32	0	3	1	3	1	34	0	3	1	3	1	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	44	20	44	20	2407	16
	2007-2008	61	25	59	24	3428	23
	2008-2009	31	15	31	15	2857	20
	Cum. Total*	136	20	134	20	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	112	50	112	50	7494	49
	2007-2008	109	45	108	45	7179	48
	2008-2009	121	59	121	59	7431	51
	Cum. Total*	342	51	341	51	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	52	23	52	23	3628	24
	2007-2008	50	20	50	21	2706	18
	2008-2009	46	23	46	23	2979	21
	Cum. Total*	148	22	148	22	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	15	7	15	7	1810	12
	2007-2008	24	10	24	10	1611	11
	2008-2009	6	3	6	3	1214	8
	Cum. Total*	45	7	45	7	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	36.1	64.5	36.1	64.5	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.4	62.0	12.4	62.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.8	66.1	23.8	66.1	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009

Grade: 8

SAU: MSAD 75

School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	204	31	15	121	59	46	23	6	3	851	204	15	59	23	3	851	14481	20	51	21	8	850
Ethnicity																						
African American/Black	5	0	0	3	60	2	40	0	0	844	5	0	60	40	0	844	362	8	43	29	20	843
American Indian or Native Alaskan	2										2						116	10	46	26	18	843
Asian or Pacific Islander	2										2						231	28	43	19	10	851
Hispanic	2										2						186	17	48	23	12	847
Caucasian/White	193	29	15	114	59	44	23	6	3	850	193	15	59	23	3	850	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	41	0	0	14	34	23	56	4	10	838	41	0	34	56	10	838	2256	2	25	40	34	834
No	163	31	19	107	66	23	14	2	1	854	163	19	66	14	1	854	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	204	31	15	121	59	46	23	6	3	851	204	15	59	23	3	851	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	48	4	8	24	50	18	38	2	4	846	48	8	50	38	4	846	5277	10	46	29	15	844
No	156	27	17	97	62	28	18	4	3	852	156	17	62	18	3	852	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	204	31	15	121	59	46	23	6	3	851	204	15	59	23	3	851	14476	20	51	21	8	850
Gender																						
Female	96	24	25	52	54	20	21	0	0	854	96	25	54	21	0	854	7074	25	51	18	6	852
Male	108	7	6	69	64	26	24	6	6	848	108	6	64	24	6	848	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	204	31	15	121	59	46	23	6	3	851	204	15	59	23	3	851	13624	20	52	20	8	850
Gifted/talented program																						
Yes	14	8	57	6	43	0	0	0	0	867	14	57	43	0	0	867	700	69	30	1	0	867
No	190	23	12	115	61	46	24	6	3	849	190	12	61	24	3	849	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: MSAD 75

School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	4	27	8	53	3	20	838	7	0	27	53	20	838	8	8	39	29	24	841
B. less than one hour	47	12	13	58	60	23	24	3	3	849	47	13	60	24	3	849	51	17	53	22	8	849
C. one to two hours	43	17	20	55	63	15	17	0	0	853	43	20	63	17	0	853	36	24	52	18	5	852
D. more than two hours	3	2	33	4	67	0	0	0	0	856	3	33	67	0	0	856	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	31	19	30	36	57	7	11	1	2	856	31	30	57	11	2	856	31	35	50	11	4	856
B. good	52	11	10	69	64	24	22	3	3	850	52	10	64	22	3	850	47	16	55	21	7	849
C. fair	15	1	3	15	50	12	40	2	7	842	15	3	50	40	7	842	18	5	47	33	15	842
D. poor	2	0	0	1	25	3	75	0	0	839	2	0	25	75	0	839	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	32	16	24	38	58	10	15	2	3	853	32	24	58	15	3	853	32	27	54	14	5	853
B. They match some of what I have learned.	53	14	13	65	60	27	25	3	3	850	53	13	60	25	3	850	52	18	53	22	8	850
C. They match just a little of what I have learned.	11	1	5	14	64	7	32	0	0	848	11	5	64	32	0	848	12	11	45	29	15	844
D. There is no match.	3	0	0	4	57	2	29	1	14	845	3	0	57	29	14	845	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	21	3	7	22	52	13	31	4	10	846	21	7	52	31	10	846	15	13	42	28	17	844
B. about the same as my regular schoolwork	58	21	18	67	57	28	24	1	1	852	58	18	57	24	1	852	64	19	53	20	7	850
C. easier than my regular schoolwork	21	7	16	30	70	5	12	1	2	852	21	16	70	12	2	852	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	8	1	6	5	31	7	44	3	19	840	8	6	31	44	19	840	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	53	13	12	65	60	29	27	1	1	849	53	12	60	27	1	849	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	39	17	22	50	63	10	13	2	3	854	39	22	63	13	3	854	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	51	13	13	64	62	22	21	5	5	849	51	13	62	21	5	849	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	43	17	19	51	58	19	22	1	1	853	43	19	58	22	1	853	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	6	1	8	6	50	5	42	0	0	846	6	8	50	42	0	846	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	20	11	28	21	53	7	18	1	3	854	20	28	53	18	3	854	19	26	53	15	6	853
B. 20 minutes to an hour	50	16	16	62	61	22	22	1	1	852	50	16	61	22	1	852	40	25	52	17	6	852
C. less than 20 minutes	17	3	9	19	56	9	26	3	9	845	17	9	56	26	9	845	15	18	51	21	10	849
D. I rarely read at home.	14	1	3	19	66	8	28	1	3	848	14	3	66	28	3	848	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	47	19	20	59	62	15	16	2	2	853	47	20	62	16	2	853	42	27	51	15	6	853
B. agree	48	10	10	57	58	27	28	4	4	848	48	10	58	28	4	848	50	15	53	23	9	848
C. disagree	4	2	22	4	44	3	33	0	0	852	4	22	44	33	0	852	7	8	46	32	14	843
D. strongly disagree	1	0	0	1	50	1	50	0	0	847	1	0	50	50	0	847	2	6	39	35	21	840
Optional school/SAU question																						
A.	28	2	4	39	71	12	22	2	4	848	28	4	71	22	4	848						
B.	23	9	20	21	47	13	29	2	4	849	23	20	47	29	4	849						
C.	45	19	21	54	61	16	18	0	0	854	45	21	61	18	0	854						
D.	4	0	0	4	50	3	38	1	13	841	4	0	50	38	13	841						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	44	20	44	20	1952	13
	2007-2008	32	13	30	13	1657	11
	2008-2009	34	17	34	17	2116	15
	Cum. Total*	110	16	108	16	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	101	45	101	45	5870	38
	2007-2008	98	40	98	41	5956	40
	2008-2009	85	42	85	42	5443	38
	Cum. Total*	284	42	284	43	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	45	20	45	20	3982	26
	2007-2008	60	25	59	25	3729	25
	2008-2009	54	27	54	27	3556	25
	Cum. Total*	159	24	158	24	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	33	15	33	15	3534	23
	2007-2008	53	22	53	22	3579	24
	2008-2009	30	15	30	15	3356	23
	Cum. Total*	116	17	116	17	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	31.0	55.4	31.0	55.4	28.6	51.1
A. Number	8	14	3.8	47.5	3.8	47.5	3.7	46.3
B. Data	16	29	9.7	60.6	9.7	60.6	8.9	55.6
C. Geometry	12	21	5.6	46.7	5.6	46.7	5.0	41.7
D. Algebra	20	36	11.9	59.5	11.9	59.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009

Grade: 8

SAU: MSAD 75

School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	203	34	17	85	42	54	27	30	15	847	203	17	42	27	15	847	14471	15	38	25	23	843
Ethnicity																						
African American/Black	5	0	0	1	20	3	60	1	20	834	5	0	20	60	20	834	367	6	24	26	44	831
American Indian or Native Alaskan	2										2						114	5	31	32	32	836
Asian or Pacific Islander	2										2						233	27	33	20	21	847
Hispanic	2										2						190	8	31	26	34	836
Caucasian/White	192	32	17	82	43	49	26	29	15	847	192	17	43	26	15	847	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	40	1	3	6	15	20	50	13	33	834	40	3	15	50	33	834	2242	2	12	22	63	824
No	163	33	20	79	48	34	21	17	10	850	163	20	48	21	10	850	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	203	34	17	85	42	54	27	30	15	847	203	17	42	27	15	847	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	47	4	9	15	32	17	36	11	23	841	47	9	32	36	23	841	5270	6	30	28	36	835
No	156	30	19	70	45	37	24	19	12	849	156	19	45	24	12	849	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	203	34	17	85	42	54	27	30	15	847	203	17	42	27	15	847	14466	15	38	25	23	843
Gender																						
Female	96	17	18	41	43	27	28	11	11	848	96	18	43	28	11	848	7070	15	39	25	22	843
Male	107	17	16	44	41	27	25	19	18	846	107	16	41	25	18	846	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	203	34	17	85	42	54	27	30	15	847	203	17	42	27	15	847	13614	15	38	24	22	843
Gifted/talented program																						
Yes	14	14	100	0	0	0	0	0	0	873	14	100	0	0	0	873	700	68	27	3	1	866
No	189	20	11	85	45	54	29	30	16	845	189	11	45	29	16	845	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: MSAD 75

School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	7 47 43 3	1 11 21 1	7 11 24 17	4 41 38 2	29 43 44 33	3 30 18 3	21 31 21 50	6 14 10 0	43 15 11 0	834 845 850 851	7 47 43 3	7 11 24 17	29 43 44 33	21 31 21 50	43 15 11 0	834 845 850 851	8 51 36 5	8 12 19 19	24 38 40 36	24 26 23 22	44 23 19 23	833 842 845 844
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	34 48 16 1	22 11 1 0	32 11 3 0	31 43 11 0	45 44 33 0	14 26 11 2	20 27 33 67	2 17 10 1	3 18 30 33	855 844 839 834	34 48 16 1	32 11 3 0	45 44 33 0	20 27 33 67	3 18 30 33	855 844 839 834	28 45 21 5	33 11 3 2	41 43 27 14	15 25 35 30	11 21 35 54	852 842 834 828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	41 45 9 5	24 7 2 1	29 8 11 10	33 44 7 1	40 48 39 10	19 28 4 3	23 30 22 30	7 13 5 5	8 14 28 50	852 844 842 835	41 45 9 5	29 8 11 10	40 48 39 10	23 30 22 30	8 14 28 50	852 844 842 835	28 52 16 4	23 13 8 5	41 40 28 15	21 25 30 22	15 21 34 58	848 843 836 826
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	26 55 19	2 16 16	4 14 41	19 49 17	37 44 44	21 30 3	40 27 8	10 17 3	19 15 8	840 846 857	26 55 19	4 14 41	37 44 44	40 27 8	19 15 8	840 846 857	32 52 16	6 13 39	34 41 35	29 25 13	32 20 13	837 843 853
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	53 40 7	13 20 1	12 25 7	45 34 3	43 43 21	29 20 5	28 25 36	18 6 5	17 8 36	845 851 839	53 40 7	12 25 7	43 43 21	28 25 36	17 8 36	845 851 839	42 52 7	12 17 12	38 39 27	26 23 27	25 20 35	841 845 837
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	49 38 9 4	24 8 0 2	24 10 0 22	50 25 6 4	51 32 33 44	16 30 6 2	16 39 33 22	9 14 6 1	9 18 33 11	852 842 835 850	49 38 9 4	24 10 0 22	51 32 33 44	16 39 33 22	9 18 33 11	852 842 835 850	34 35 18 13	18 14 12 9	40 38 37 32	22 26 27 25	20 21 24 34	845 843 841 837
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	3 16 35 46	2 6 7 19	33 18 10 21	3 9 34 38	50 27 48 41	1 9 19 25	17 27 27 27	0 9 11 10	0 27 15 11	856 842 845 849	3 16 35 46	33 18 10 21	50 27 48 41	17 27 27 27	0 27 15 11	856 842 845 849	9 17 28 46	13 11 15 16	38 37 40 36	23 26 25 24	26 26 20 23	841 841 844 843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult." A. strongly agree B. agree C. disagree D. strongly disagree	63 30 5 2	24 8 2 0	19 13 18 0	56 23 4 1	44 38 36 25	32 19 2 1	25 32 18 25	15 10 3 2	12 17 27 50	849 844 847 831	63 30 5 2	19 13 18 0	44 38 36 25	25 32 18 25	12 17 27 50	849 844 847 831	52 39 6 3	19 11 7 4	41 35 28 25	22 27 26 28	18 27 39 43	846 840 835 832
Optional school/SAU question A. B. C. D.	28 23 45 4	4 9 20 1	7 20 22 13	22 17 41 1	40 38 46 13	19 12 20 2	35 27 22 25	10 7 8 4	18 16 9 50	843 846 851 837	28 23 45 4	7 20 22 13	40 38 46 13	35 27 22 25	18 16 9 50	843 846 851 837						

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	32	16	32	16	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	105	51	105	51	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	59	29	59	29	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	8	4	8	4	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	33.5	59.8	33.5	59.8	32.0	57.1
D. The Physical Setting	31	55	17.2	55.5	17.2	55.5	17.1	55.2
D1/D2 Earth/Space	17	30	9.5	55.9	9.5	55.9	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	7.7	55.0	7.7	55.0	7.7	55.0
E. The Living Environment	25	45	16.3	65.2	16.3	65.2	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009

Grade: 8

SAU: MSAD 75

School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	204	32	16	105	51	59	29	8	4	848	204	16	51	29	4	848	14263	15	47	26	12	846
Ethnicity																						
African American/Black	5	1	20	1	20	1	20	2	40	839	5	20	20	20	40	839	360	4	31	35	30	835
American Indian or Native Alaskan	2										2						114	8	39	31	22	839
Asian or Pacific Islander	2										2						230	20	44	23	13	848
Hispanic	2										2						184	9	45	29	16	842
Caucasian/White	193	31	16	98	51	58	30	6	3	848	193	16	51	30	3	848	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	41	1	2	17	41	18	44	5	12	840	41	2	41	44	12	840	2221	3	22	36	38	832
No	163	31	19	88	54	41	25	3	2	850	163	19	54	25	2	850	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	204	32	16	105	51	59	29	8	4	848	204	16	51	29	4	848	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	48	4	8	19	40	20	42	5	10	843	48	8	40	42	10	843	5184	6	40	33	21	840
No	156	28	18	86	55	39	25	3	2	850	156	18	55	25	2	850	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	204	32	16	105	51	59	29	8	4	848	204	16	51	29	4	848	14258	15	47	26	12	846
Gender																						
Female	96	17	18	45	47	30	31	4	4	848	96	18	47	31	4	848	6953	14	47	28	11	846
Male	108	15	14	60	56	29	27	4	4	848	108	14	56	27	4	848	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	204	32	16	105	51	59	29	8	4	848	204	16	51	29	4	848	13435	16	48	25	12	846
Gifted/talented program																						
Yes	14	11	79	3	21	0	0	0	0	868	14	79	21	0	0	868	699	65	34	2	0	865
No	190	21	11	102	54	59	31	8	4	847	190	11	54	31	4	847	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: MSAD 75

School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	1	7	2	13	10	67	2	13	838	7	7	13	67	13	838	8	8	34	28	30	837
B. less than one hour	47	10	10	54	56	29	30	3	3	847	47	10	56	30	3	847	51	14	48	27	11	846
C. one to two hours	43	20	23	45	52	19	22	3	3	851	43	23	52	22	3	851	36	19	48	24	9	848
D. more than two hours	3	1	17	4	67	1	17	0	0	853	3	17	67	17	0	853	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	23	10	22	24	52	10	22	2	4	851	23	22	52	22	4	851	23	27	47	17	8	851
B. good	58	21	18	66	56	29	25	2	2	850	58	18	56	25	2	850	53	15	50	26	10	847
C. fair	17	1	3	12	34	19	54	3	9	841	17	3	34	54	9	841	20	4	43	35	18	840
D. poor	2	0	0	3	60	1	20	1	20	840	2	0	60	20	20	840	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	23	8	17	26	55	12	26	1	2	850	23	17	55	26	2	850	26	20	49	23	9	849
B. They match some of what I have learned.	47	18	19	46	48	28	29	3	3	849	47	19	48	29	3	849	51	14	48	26	11	846
C. They match just a little of what I have learned.	26	6	11	29	54	16	30	3	6	847	26	11	54	30	6	847	18	13	44	28	15	844
D. There is no match.	4	0	0	4	50	3	38	1	13	842	4	0	50	38	13	842	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	44	10	11	44	49	31	35	4	4	846	44	11	49	35	4	846	32	13	45	28	14	844
B. about the same as my regular schoolwork	48	19	20	51	53	23	24	3	3	850	48	20	53	24	3	850	56	15	49	25	11	847
C. easier than my regular schoolwork	8	3	19	10	63	2	13	1	6	851	8	19	63	13	6	851	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	48	18	18	52	53	25	26	3	3	849	48	18	53	26	3	849	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	47	14	15	49	52	27	28	5	5	848	47	15	52	28	5	848	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	3	30	7	70	0	0	842	5	0	30	70	0	842	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	34	7	10	39	57	21	31	1	1	847	34	10	57	31	1	847	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	24	8	17	28	60	10	21	1	2	850	24	17	60	21	2	850	23	17	49	22	12	847
C. the course(s) described in B, plus physics	20	15	38	12	31	9	23	3	8	854	20	38	31	23	8	854	21	31	44	17	7	852
D. a life science and physical science class	23	2	4	24	52	17	37	3	7	843	23	4	52	37	7	843	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	26	15	28	26	49	11	21	1	2	853	26	28	49	21	2	853	27	23	47	20	10	849
B. agree	41	9	11	40	48	28	34	6	7	846	41	11	48	34	7	846	37	14	47	27	12	846
C. disagree	25	6	12	29	57	15	29	1	2	848	25	12	57	29	2	848	25	11	48	29	12	845
D. strongly disagree	8	2	12	10	59	5	29	0	0	846	8	12	59	29	0	846	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	33	11	16	34	51	21	31	1	1	848	33	16	51	31	1	848	31	22	46	22	10	849
B. agree	49	18	18	53	54	24	24	4	4	850	49	18	54	24	4	850	50	14	49	26	11	846
C. disagree	14	3	10	14	48	10	34	2	7	846	14	10	48	34	7	846	14	9	45	31	15	843
D. strongly disagree	4	0	0	4	44	4	44	1	11	838	4	0	44	44	11	838	5	3	38	34	25	837
Optional school/SAU question																						
A.	28	6	11	29	53	17	31	3	5	846	28	11	53	31	5	846						
B.	23	6	13	23	51	14	31	2	4	847	23	13	51	31	4	847						
C.	45	19	21	47	53	21	24	2	2	851	45	21	53	24	2	851						
D.	4	1	13	1	13	6	75	0	0	841	4	13	13	75	0	841						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number